

JP

**Notice of Allowability**

Application No.

10/713,781

Applicant(s)

CASAR ET AL.

Examiner

Vikansha S. Dwivedi

Art Unit

3746

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 01/20/2006.
2. ☒ The allowed claim(s) is/are 1-9.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All b) ☐ Some\* c) ☐ None of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☒ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.


Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),  
Paper No./Mail Date 11/14/03 & 1/20/06
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

  
**ANTHONY D. STASHICK**  
PRIMARY EXAMINER

## **DETAILED ACTION**

### ***Allowable Subject Matter***

Claims 1-9 are allowed.

The following is an examiner's statement of reasons for allowance: The prior art neither discloses nor makes obvious a reciprocating-piston machine, in particular a refrigerant compressor for a motor vehicle air-conditioning system, comprising a machine shaft rotatably supported in a machine housing, a plurality of pistons arranged circularly on a cylinder envelope extending around said machine shaft in said machine housing, an annular pivoting disc disposed around said machine shaft along said envelope and being driven by said machine shaft, said annular pivoting disc engaging the pistons via a joint arrangement, a driver mounted on said machine shaft and extending therefrom to said pivoting disc and being connected thereto in an articulated manner for transmitting drive forces to said pivoting disc, and a sliding body axially movably supported on said machine shaft , said pivoting disc being supported on said sliding body so as to be pivotable about a hinge axis oriented transversely to said machine shaft, and said driver having an articulation portion, which is located outside a main center-plane which extends perpendicularly to the hinge axis and through the axis of rotation of the machine shaft.

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Parsch (U.S. patent number 6,928,919) discloses a wobble plate piston-drive mechanism, the inclination of the ring-shaped wobble plate is adjustable through an articulated connection of the wobble plate to the shaft by means of an axially movable guiding device and a driver arm that reaches into an engagement cavity of the wobble plate at a radial distance from the shaft to transmit the driving force from the shaft to the wobble plate. The angle of inclination of the wobble plate relative to the driving shaft is adjustable. Parsch discloses a driver arm, which is rigidly connected to the driving shaft, has at its free end a head that extends into the cavity, so that the driving force is transmitted to the ring-shaped wobble plate through the engagement of the driver arm head with the cavity wall inside the wobble plate. Prior art does not disclose pivoting disc being supported on said sliding body so as to be pivotable about a hinge axis oriented transversely to said machine shaft, and said driver having an articulation portion, which is located outside a main center-plane which extends perpendicularly to the hinge axis and through the axis of rotation of the machine shaft.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

#### **EXAMINER'S AMENDMENT**

The application has been amended as follows: Claim 1 line 14 "said motor shaft" is being amended to - - said machine shaft - - to put the claim in proper antecedent

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basis. As the applicant has disclosed a machine shaft in line 9-10 of claim 1 and uses a different term for it in line 14.

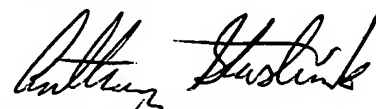
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Vikansha S. Dwivedi whose telephone number is 571-272-7834. The examiner can normally be reached on M-F, 8-4.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Timothy S. Thorpe can be reached on 571-272-4444. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



VSD

  
ANTHONY D. STASHICK  
PRIMARY EXAMINER